

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060324\
 Data File : VN082437.D
 Acq On : 03 Jun 2024 16:25
 Operator : JC\MD
 Sample : PB161254ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 04 00:31:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

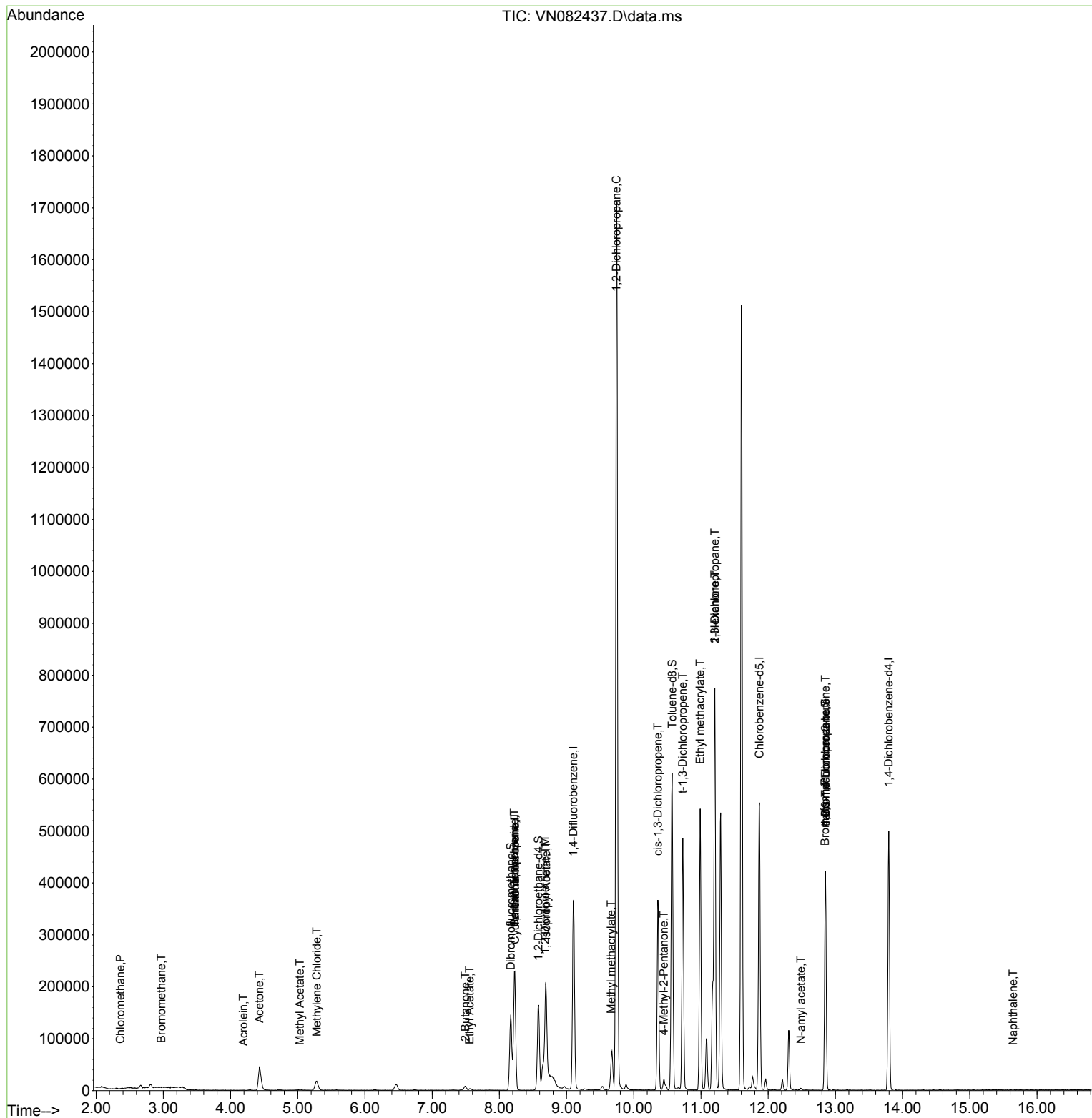
Internal Standards						
1) Pentafluorobenzene	8.230	168	157845	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	295963	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	292650	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	120678	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	136505	54.768	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.540%			
35) Dibromofluoromethane	8.171	113	98845	54.292	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.580%			
50) Toluene-d8	10.571	98	387168	55.467	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.940%			
62) 4-Bromofluorobenzene	12.853	95	134258	53.889	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 107.780%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	614	0.238	ug/l #	43
5) Bromomethane	2.971	94	773	0.555	ug/l #	69
13) Acrolein	4.189	56	194	0.654	ug/l #	15
16) Acetone	4.430	43	84816	82.955	ug/l	96
18) Methyl Acetate	5.030	43	3254	1.278	ug/l #	63
20) Methylene Chloride	5.283	84	13219	6.408	ug/l #	87
25) 2-Butanone	7.494	43	13858	8.940	ug/l #	80
31) Cyclohexane	8.235	56	4993	1.254	ug/l #	41
36) 1,1-Dichloropropene	8.230	75	14368	4.705	ug/l #	49
37) Ethyl Acetate	7.559	43	5466	1.600	ug/l #	86
38) Carbon Tetrachloride	8.224	117	16872	5.451	ug/l #	17
42) 1,2-Dichloroethane	8.682	62	1167	0.333	ug/l #	73
43) Isopropyl Acetate	8.694	43	299988	49.543	ug/l #	72
45) 1,2-Dichloropropane	9.741	63	2126	0.905	ug/l #	45
48) Methyl methacrylate	9.665	41	5548	1.923	ug/l #	40
51) 4-Methyl-2-Pentanone	10.447	43	20247	5.885	ug/l #	71
53) t-1,3-Dichloropropene	10.729	75	958	0.284	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	55423	15.548	ug/l #	75
56) Ethyl methacrylate	10.988	69	1422	0.422	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	7426	2.000	ug/l #	42
59) 2-Hexanone	11.206	43	101662	40.358	ug/l #	50
71) Bromoform	12.847	173	582	1.040	ug/l #	1
74) N-amyl acetate	12.488	43	2363	0.448	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	76488	30.114	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	76488	70.434	ug/l #	12
95) Naphthalene	15.647	128	1895	0.275	ug/l #	79

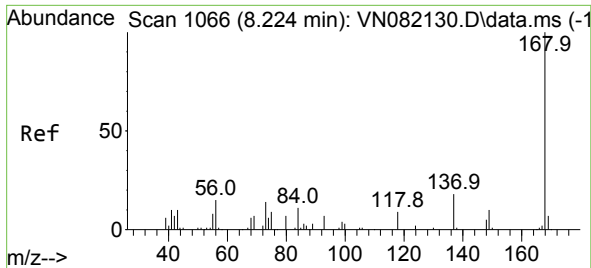
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060324\
Data File : VN082437.D
Acq On : 03 Jun 2024 16:25
Operator : JC\MD
Sample : PB161254ZHE#04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

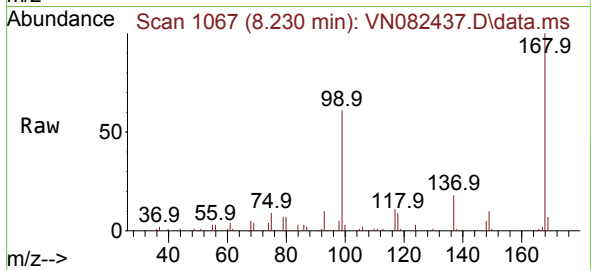
Quant Time: Jun 04 00:31:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 2024
Response via : Initial Calibration



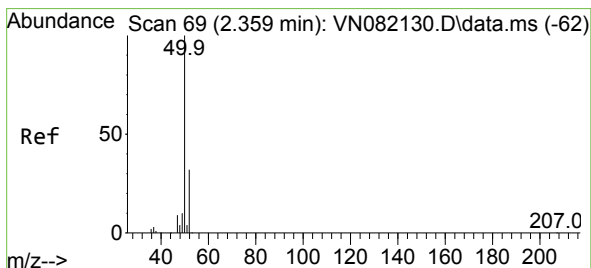
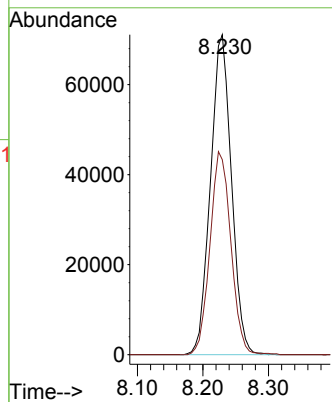
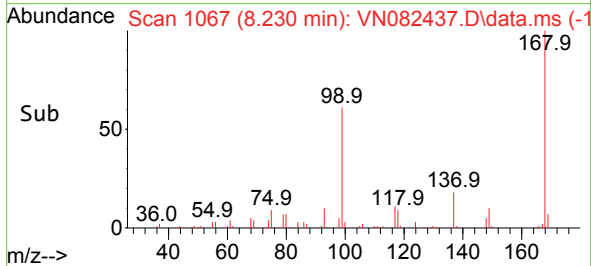


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN082437.D
Acq: 03 Jun 2024 16:25

Instrument :
MSVOA_N
ClientSampleId :

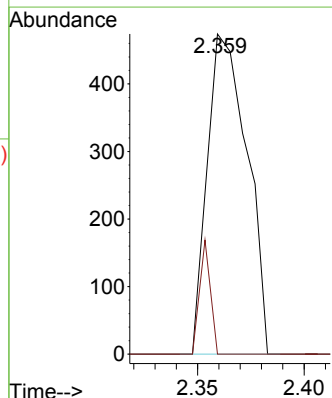
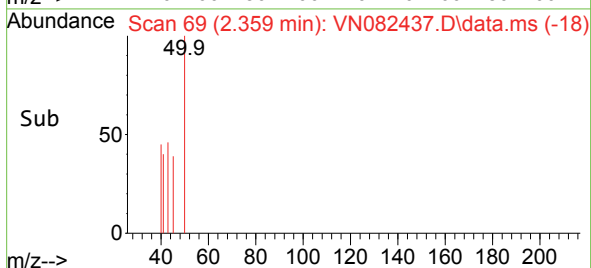
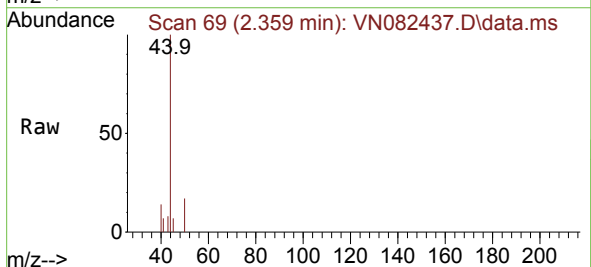


Tgt Ion:168 Resp: 157845
Ion Ratio Lower Upper
168 100
99 60.9 48.2 72.4



#3
Chloromethane
Concen: 0.238 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN082437.D
Acq: 03 Jun 2024 16:25

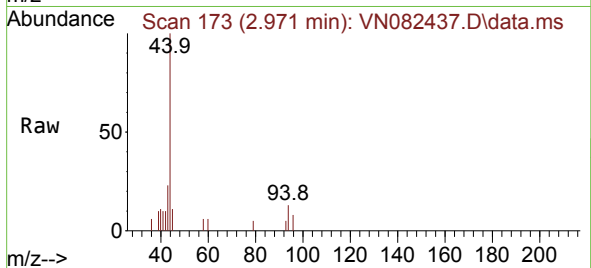
Tgt Ion: 50 Resp: 614
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#



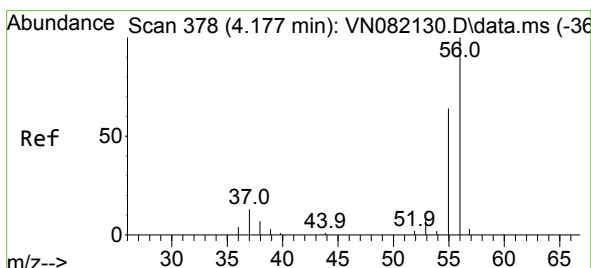
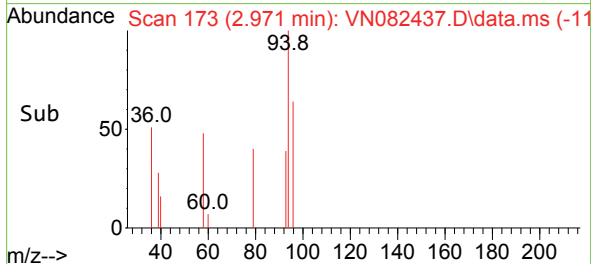
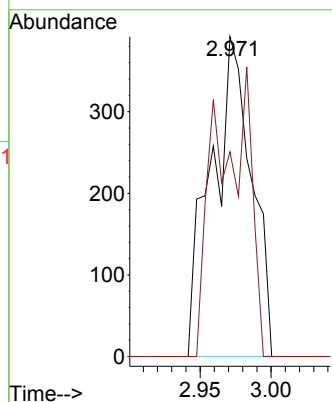


#5
Bromomethane
Concen: 0.555 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN082437.D
Acq: 03 Jun 2024 16:25

Instrument :
MSVOA_N
ClientSampleId :

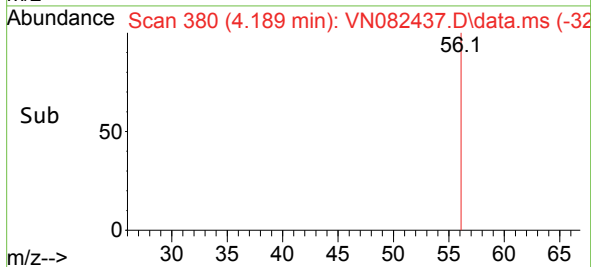
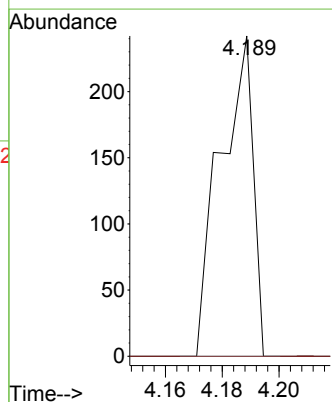
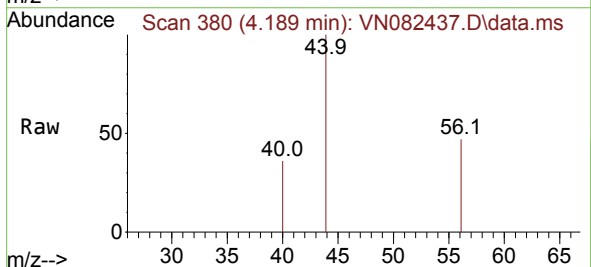


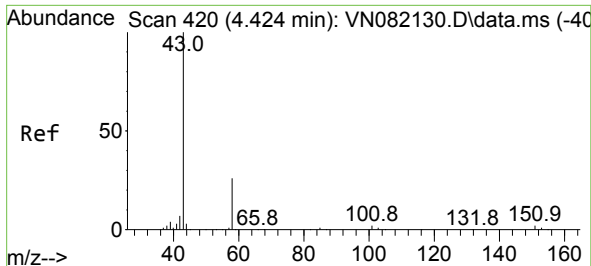
Tgt Ion: 94 Resp: 773
Ion Ratio Lower Upper
94 100
96 64.0 74.8 112.2#



#13
Acrolein
Concen: 0.654 ug/l
RT: 4.189 min Scan# 380
Delta R.T. 0.012 min
Lab File: VN082437.D
Acq: 03 Jun 2024 16:25

Tgt Ion: 56 Resp: 194
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.8#

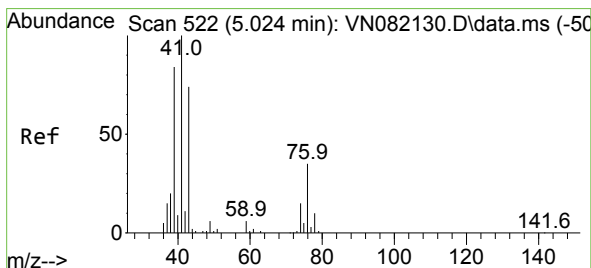
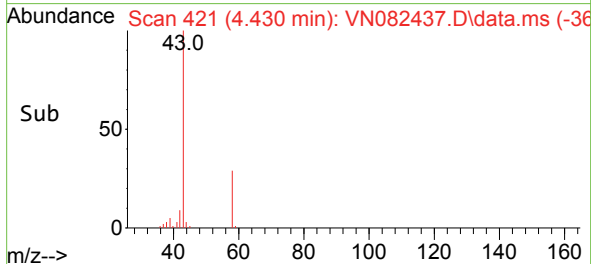
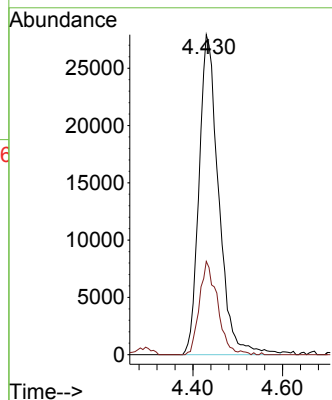
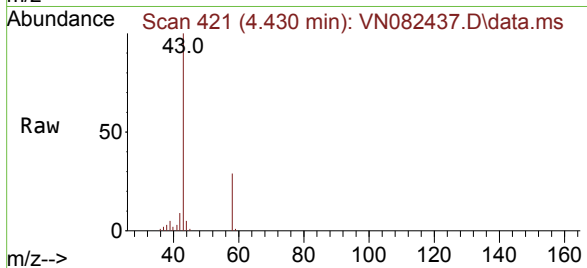




#16
Acetone
Concen: 82.955 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN082437.D
Acq: 03 Jun 2024 16:25

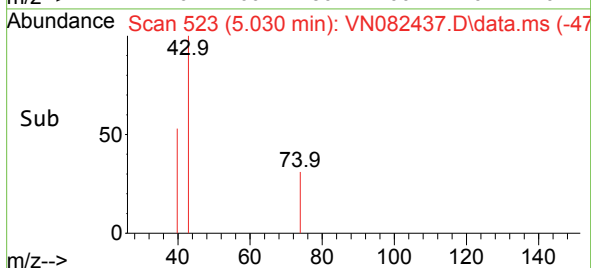
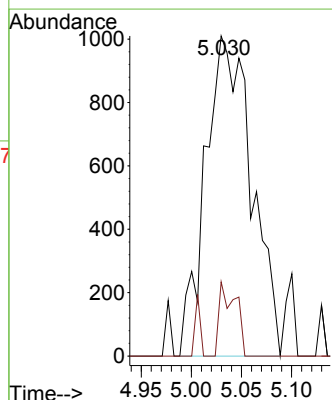
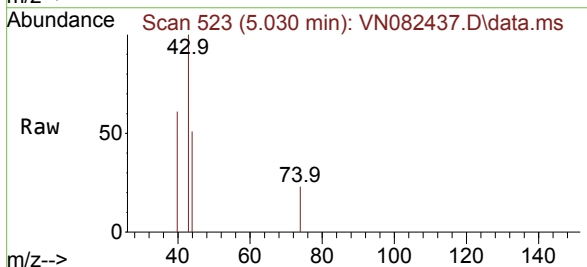
Instrument :
MSVOA_N
ClientSampleId :

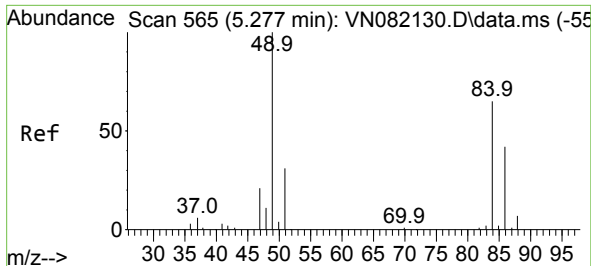
Tgt Ion: 43 Resp: 84816
Ion Ratio Lower Upper
43 100
58 29.1 25.2 37.8



#18
Methyl Acetate
Concen: 1.278 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.006 min
Lab File: VN082437.D
Acq: 03 Jun 2024 16:25

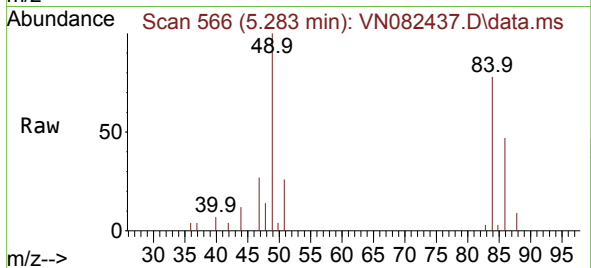
Tgt Ion: 43 Resp: 3254
Ion Ratio Lower Upper
43 100
74 8.1 22.2 33.2#



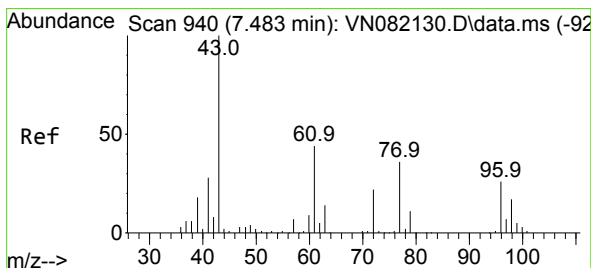
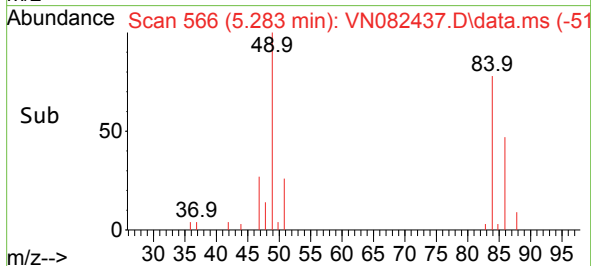
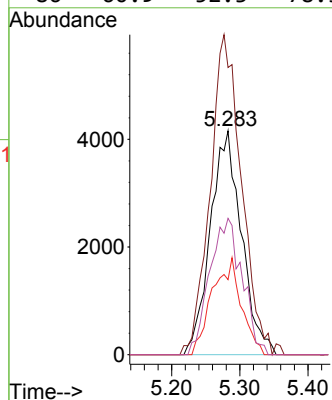


#20
Methylene Chloride
Concen: 6.408 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN082437.D
Acq: 03 Jun 2024 16:25

Instrument :
MSVOA_N
ClientSampleId :

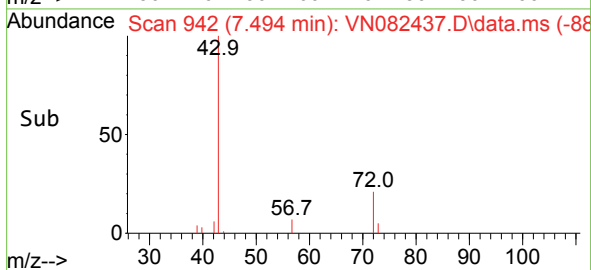
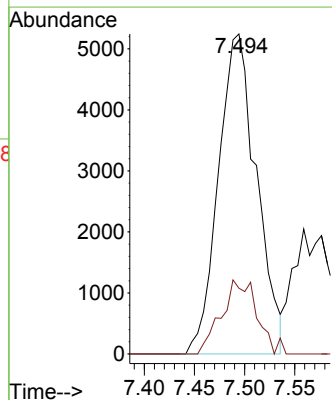
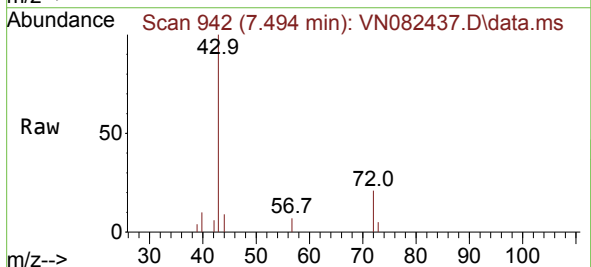


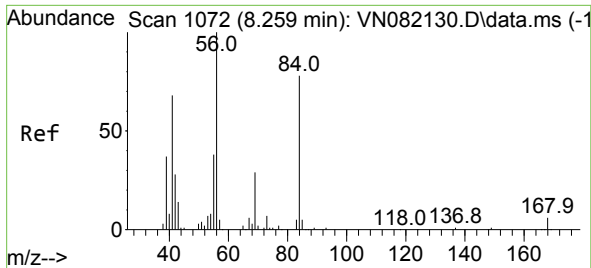
Tgt Ion:	84	Resp:	13219
Ion	Ratio	Lower	Upper
84	100		
49	128.3	84.9	127.3#
51	33.5	27.0	40.6
86	60.9	52.3	78.5



#25
2-Butanone
Concen: 8.940 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN082437.D
Acq: 03 Jun 2024 16:25

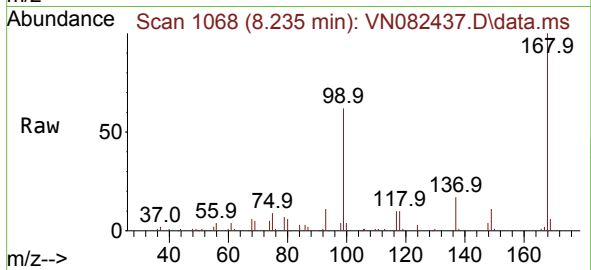
Tgt Ion:	43	Resp:	13858
Ion	Ratio	Lower	Upper
43	100		
72	20.6	25.3	37.9#



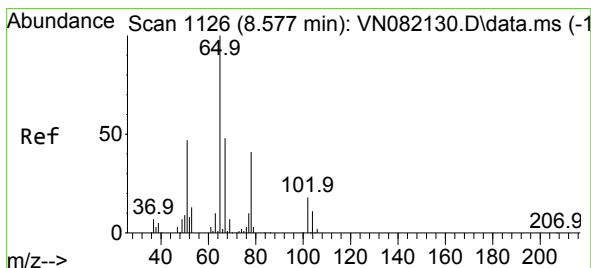
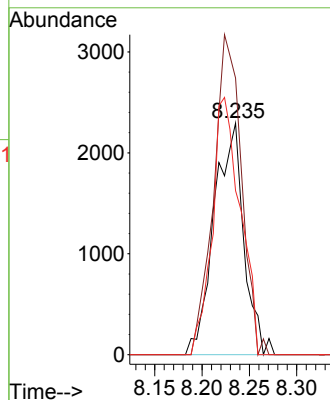
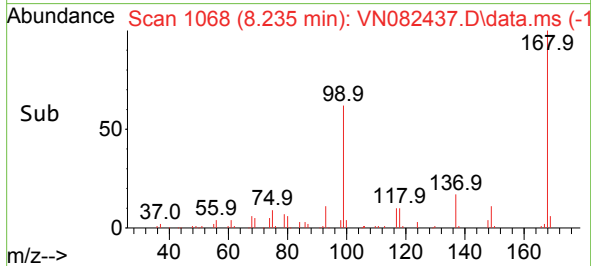


#31
Cyclohexane
Concen: 1.254 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.024 min
Lab File: VN082437.D
Acq: 03 Jun 2024 16:25

Instrument :
MSVOA_N
ClientSampleId :

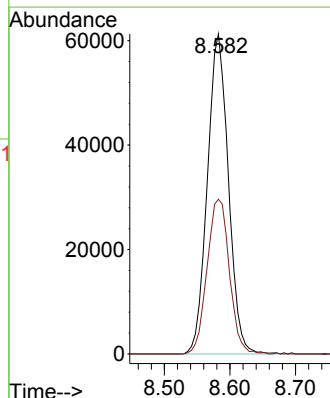
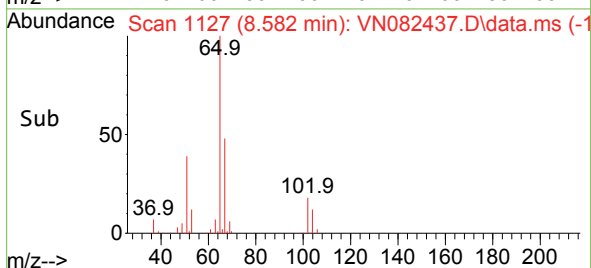
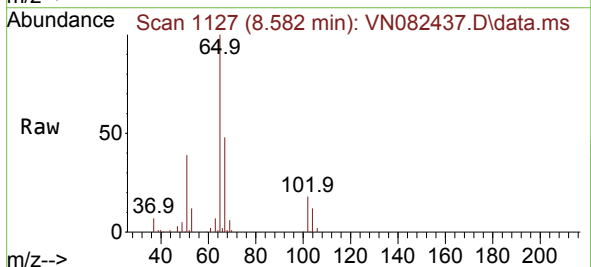


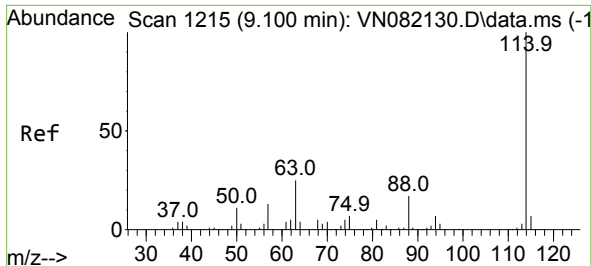
Tgt Ion: 56 Resp: 4993
Ion Ratio Lower Upper
56 100
69 119.5 24.4 36.6#
84 70.8 77.0 115.4#



#33
1,2-Dichloroethane-d4
Concen: 54.768 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082437.D
Acq: 03 Jun 2024 16:25

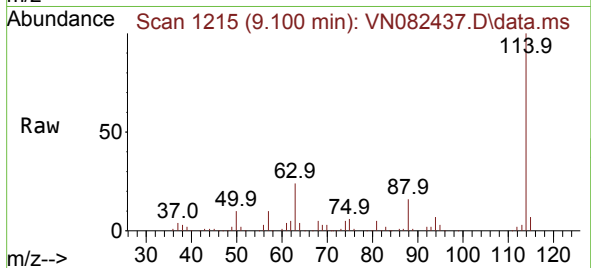
Tgt Ion: 65 Resp: 136505
Ion Ratio Lower Upper
65 100
67 51.3 0.0 103.0



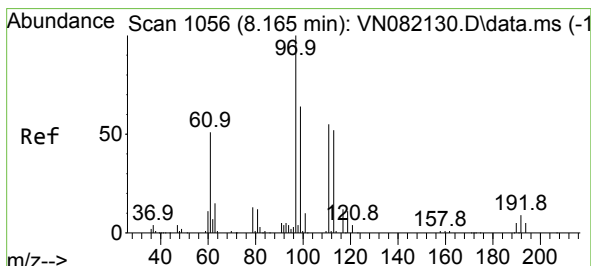
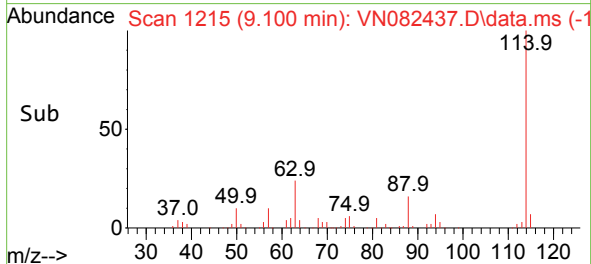
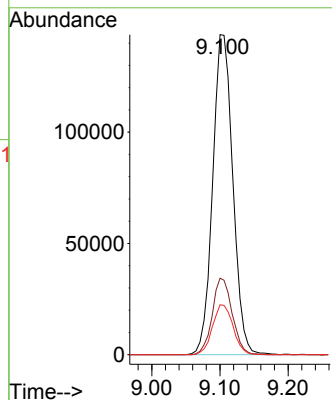


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN082437.D
Acq: 03 Jun 2024 16:25

Instrument :
MSVOA_N
ClientSampleId :

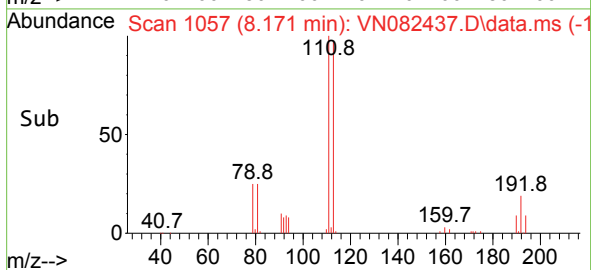
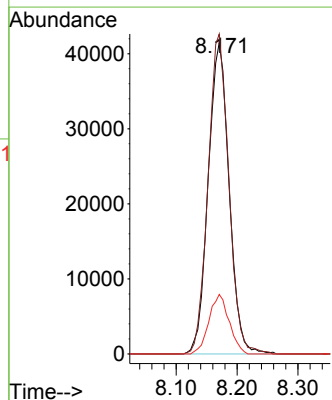
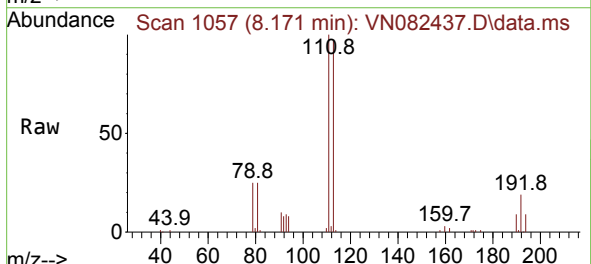


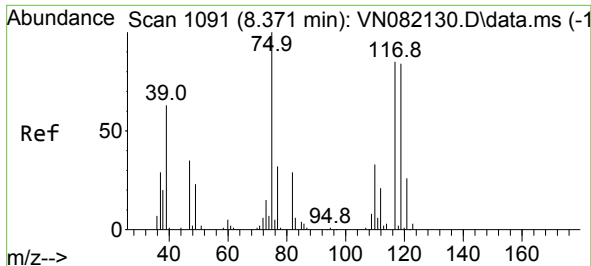
Tgt Ion:114 Resp: 295963
Ion Ratio Lower Upper
114 100
63 23.9 0.0 41.0
88 15.6 0.0 31.4



#35
Dibromofluoromethane
Concen: 54.292 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN082437.D
Acq: 03 Jun 2024 16:25

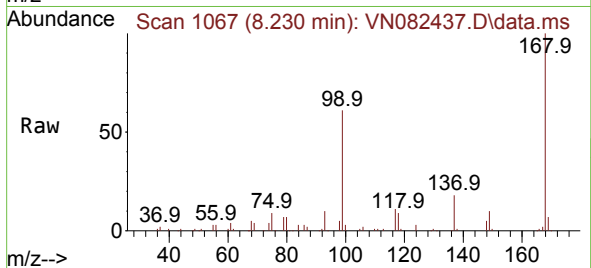
Tgt Ion:113 Resp: 98845
Ion Ratio Lower Upper
113 100
111 102.1 83.4 125.2
192 18.5 14.0 21.0



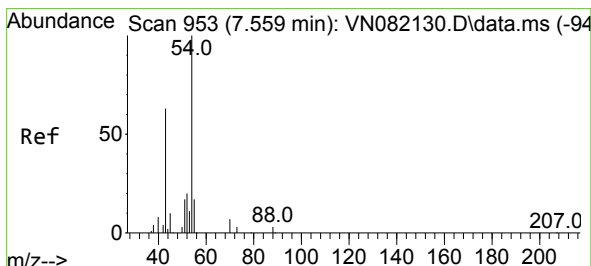
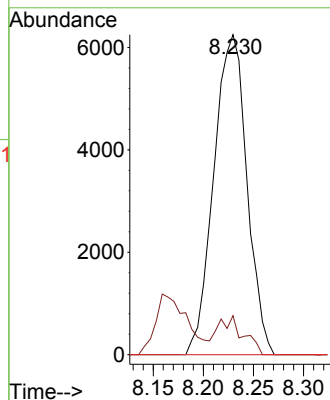
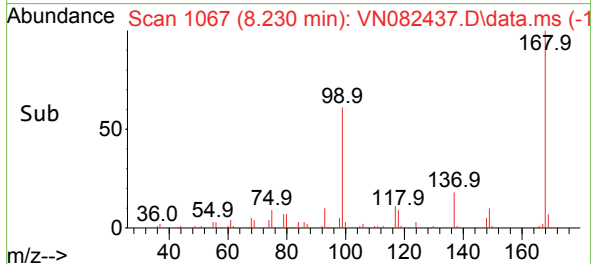


#36
1,1-Dichloropropene
Concen: 4.705 ug/l
RT: 8.230 min Scan# 1091
Delta R.T. -0.141 min
Lab File: VN082437.D
Acq: 03 Jun 2024 16:25

Instrument :
MSVOA_N
ClientSampleId :

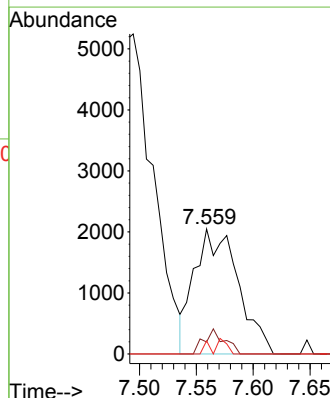
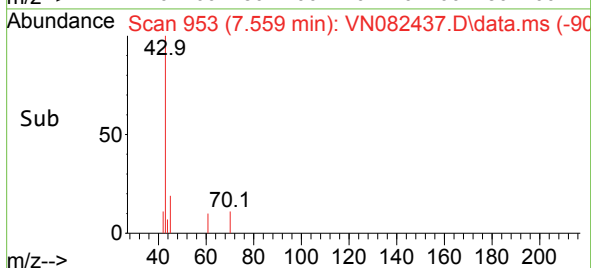
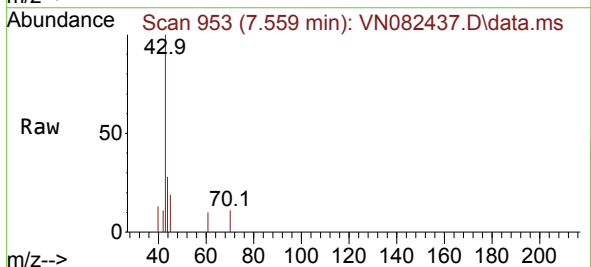


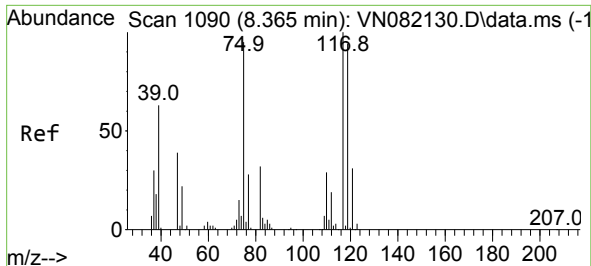
Tgt Ion: 75 Resp: 14368
Ion Ratio Lower Upper
75 100
110 9.1 17.8 53.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.600 ug/l
RT: 7.559 min Scan# 953
Delta R.T. -0.000 min
Lab File: VN082437.D
Acq: 03 Jun 2024 16:25

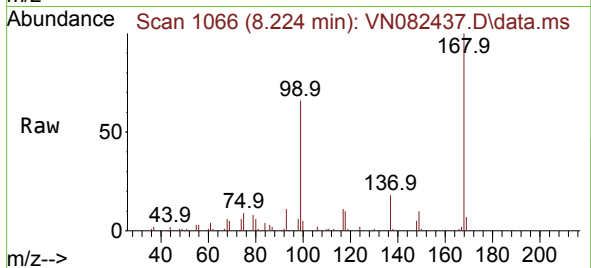
Tgt Ion: 43 Resp: 5466
Ion Ratio Lower Upper
43 100
61 9.4 11.3 16.9#
70 4.1 8.7 13.1#



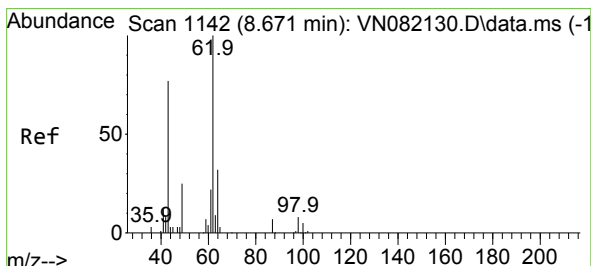
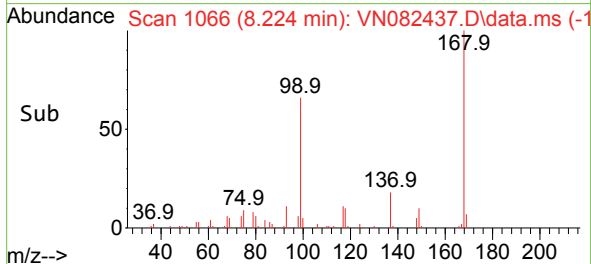
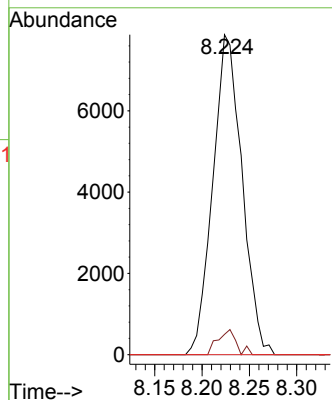


#38
Carbon Tetrachloride
Concen: 5.451 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.141 min
Lab File: VN082437.D
Acq: 03 Jun 2024 16:25

Instrument :
MSVOA_N
ClientSampleId :

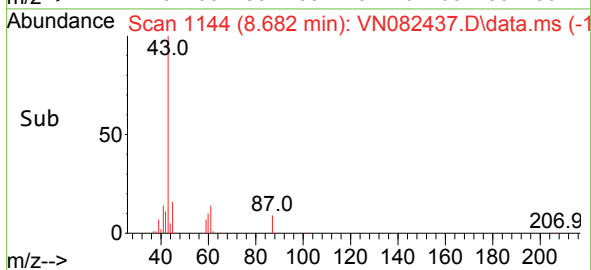
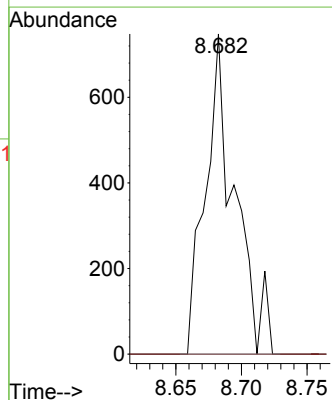
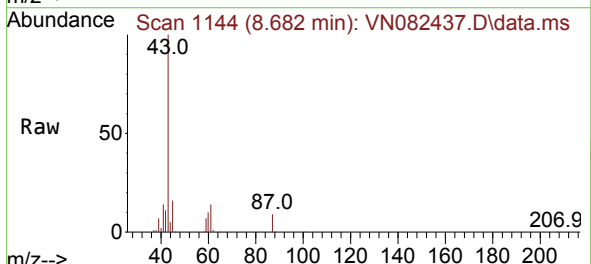


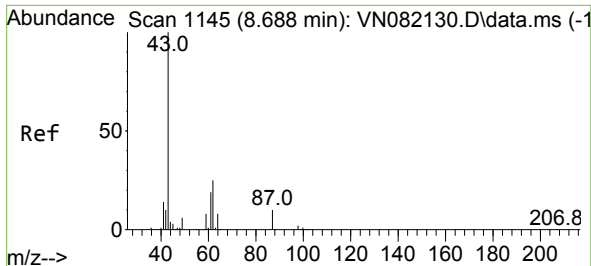
Tgt Ion:117 Resp: 16872
Ion Ratio Lower Upper
117 100
119 6.4 76.5 114.7#
121 0.0 23.9 35.9#



#42
1,2-Dichloroethane
Concen: 0.333 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. 0.012 min
Lab File: VN082437.D
Acq: 03 Jun 2024 16:25

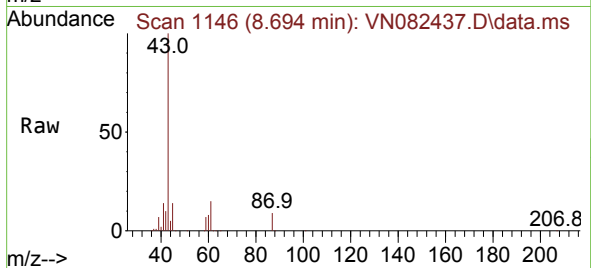
Tgt Ion: 62 Resp: 1167
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.6



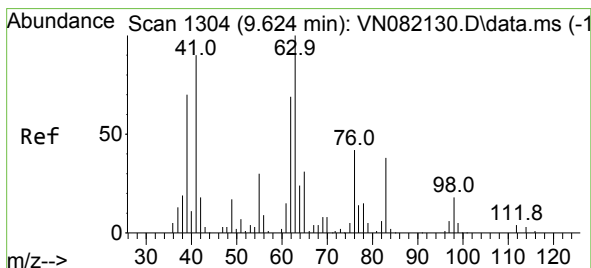
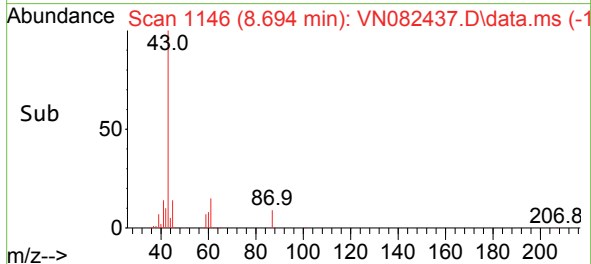
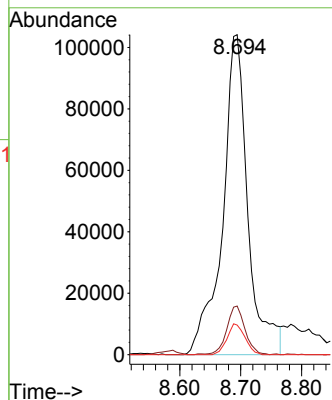


#43
Isopropyl Acetate
Concen: 49.543 ug/l
RT: 8.694 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN082437.D
Acq: 03 Jun 2024 16:25

Instrument :
MSVOA_N
ClientSampleId :

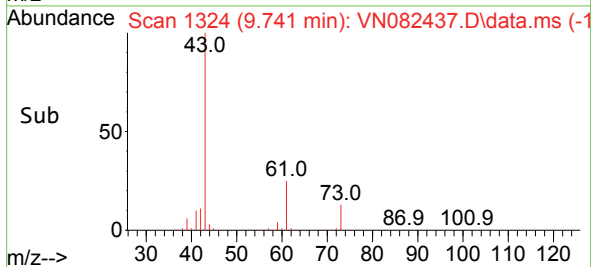
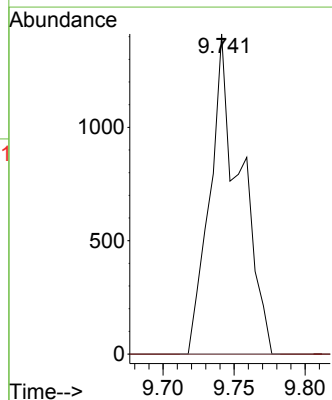
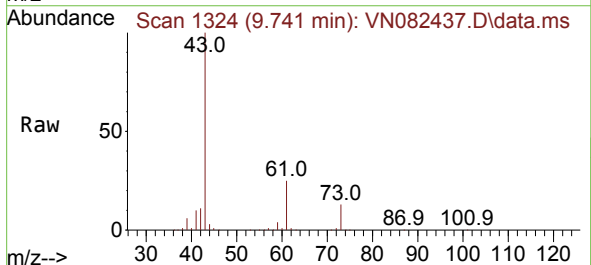


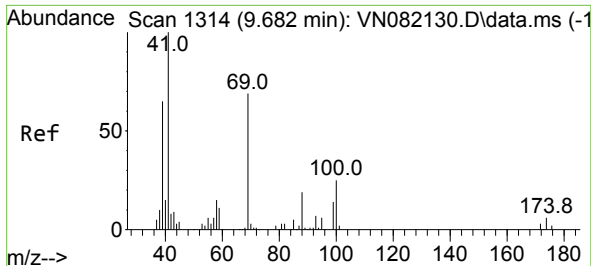
Tgt Ion: 43 Resp: 299988
Ion Ratio Lower Upper
43 100
61 11.1 22.8 34.2#
87 6.8 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.905 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN082437.D
Acq: 03 Jun 2024 16:25

Tgt Ion: 63 Resp: 2126
Ion Ratio Lower Upper
63 100
65 0.0 24.1 36.1#

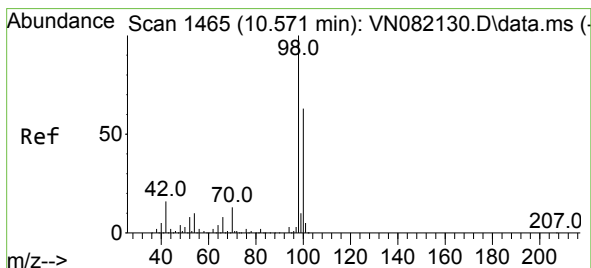
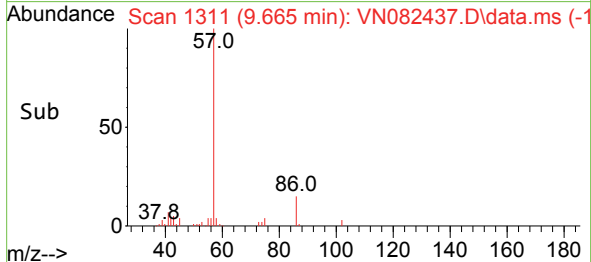
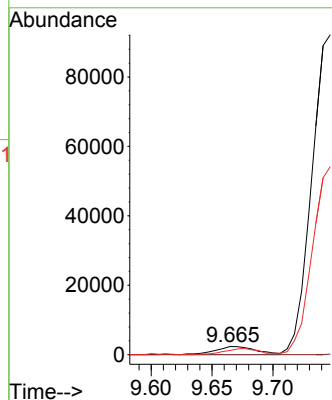
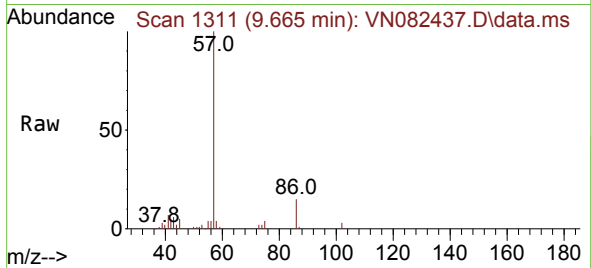




#48
Methyl methacrylate
Concen: 1.923 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN082437.D
Acq: 03 Jun 2024 16:25

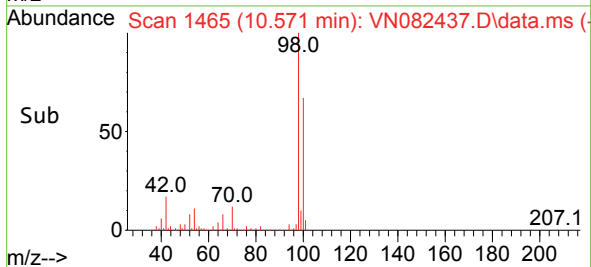
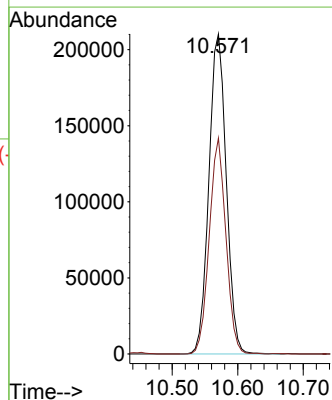
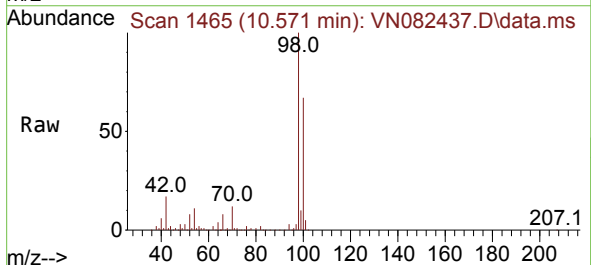
Instrument :
MSVOA_N
ClientSampleId :

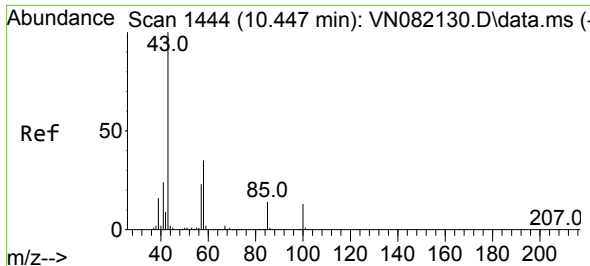
Tgt Ion: 41 Resp: 5548
Ion Ratio Lower Upper
41 100
69 0.0 77.9 116.9#
39 64.8 50.9 76.3



#50
Toluene-d8
Concen: 55.467 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082437.D
Acq: 03 Jun 2024 16:25

Tgt Ion: 98 Resp: 387168
Ion Ratio Lower Upper
98 100
100 64.7 51.8 77.6

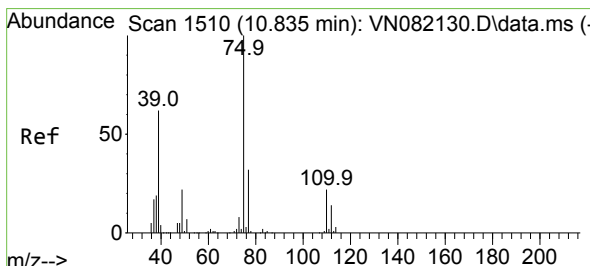
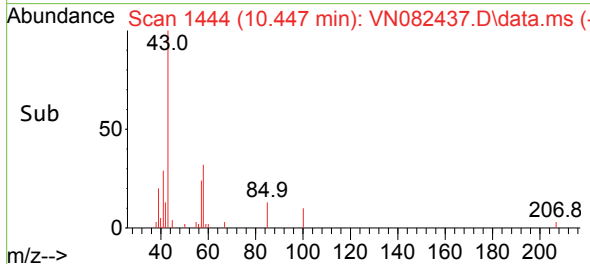
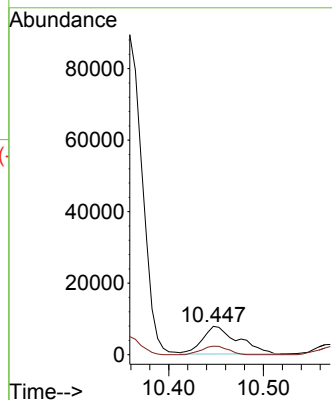
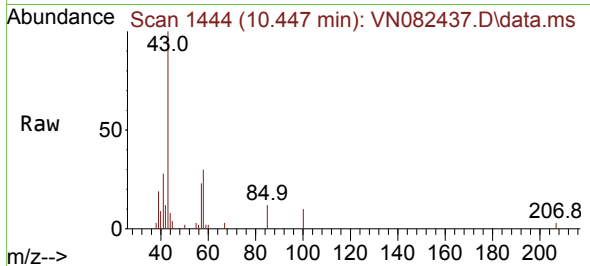




#51
4-Methyl-2-Pentanone
Concen: 5.885 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN082437.D
Acq: 03 Jun 2024 16:25

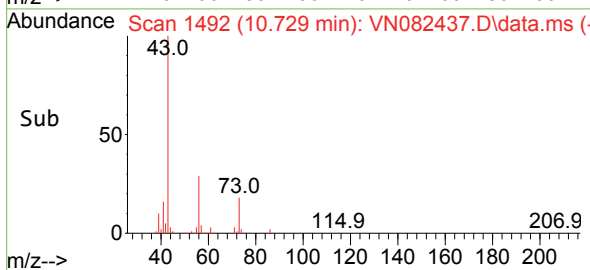
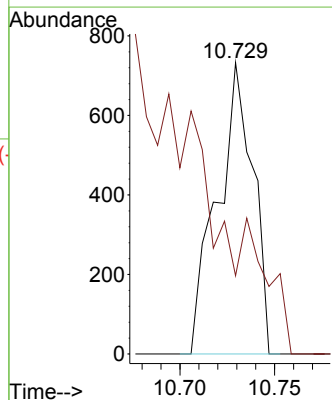
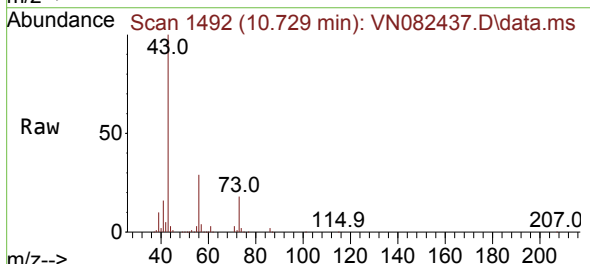
Instrument :
MSVOA_N
ClientSampleId :

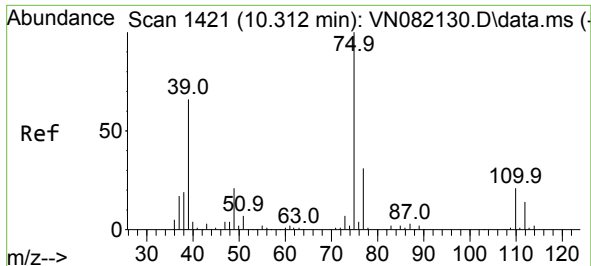
Tgt Ion: 43 Resp: 20247
Ion Ratio Lower Upper
43 100
58 23.0 33.2 49.8#



#53
t-1,3-Dichloropropene
Concen: 0.284 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN082437.D
Acq: 03 Jun 2024 16:25

Tgt Ion: 75 Resp: 958
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

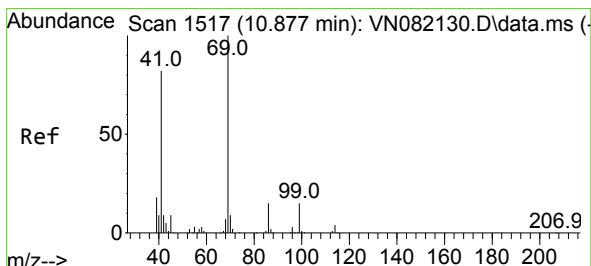
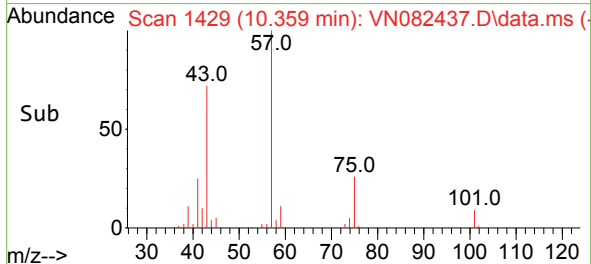
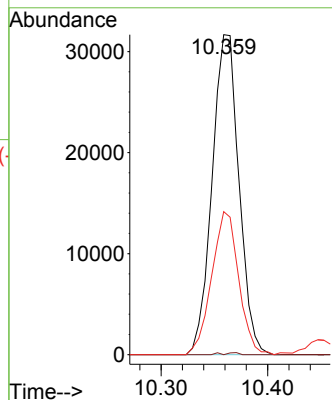
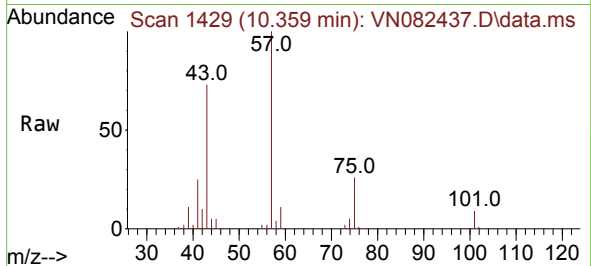




#54
 cis-1,3-Dichloropropene
 Concen: 15.548 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082437.D
 Acq: 03 Jun 2024 16:25

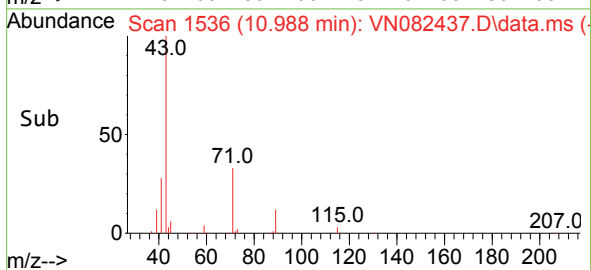
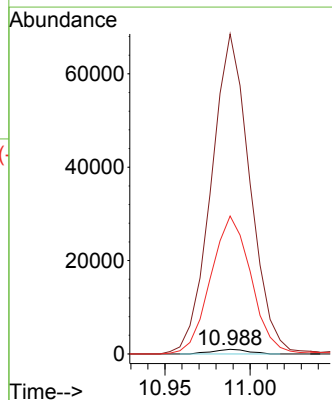
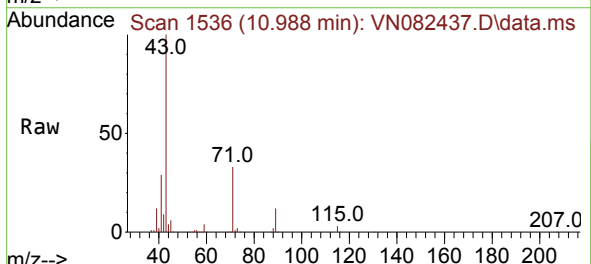
Instrument :
 MSVOA_N
 ClientSampleId :

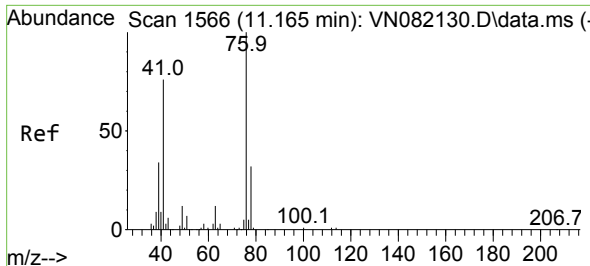
Tgt Ion: 75 Resp: 55423
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 44.7 34.8 52.2



#56
 Ethyl methacrylate
 Concen: 0.422 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.112 min
 Lab File: VN082437.D
 Acq: 03 Jun 2024 16:25

Tgt Ion: 69 Resp: 1422
 Ion Ratio Lower Upper
 69 100
 41 7663.2 46.6 70.0#
 39 3448.7 26.5 39.7#





#57

1,3-Dichloropropane

Concen: 2.000 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

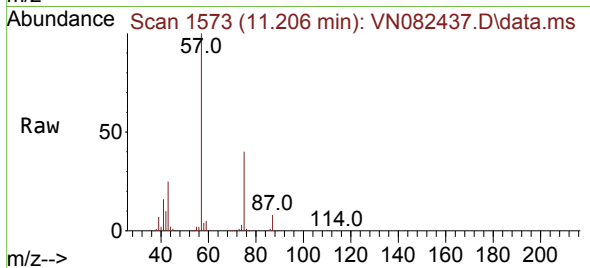
Lab File: VN082437.D

Acq: 03 Jun 2024 16:25

Instrument :

MSVOA_N

ClientSampleId :

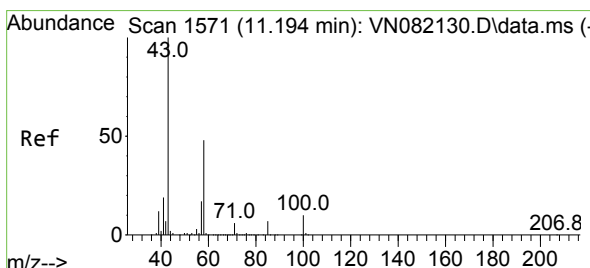
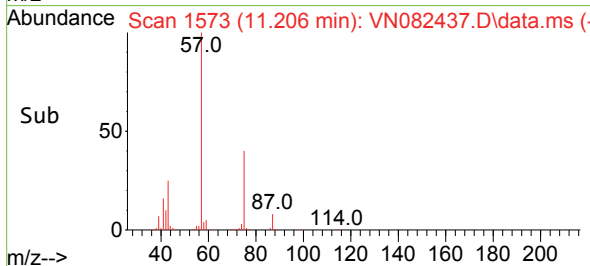
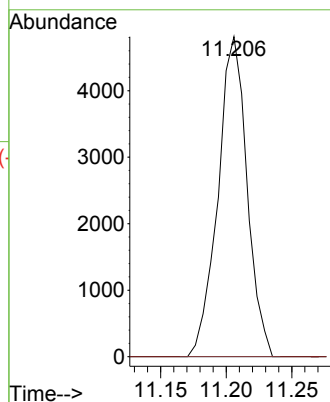


Tgt Ion: 76 Resp: 7426

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 40.358 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.012 min

Lab File: VN082437.D

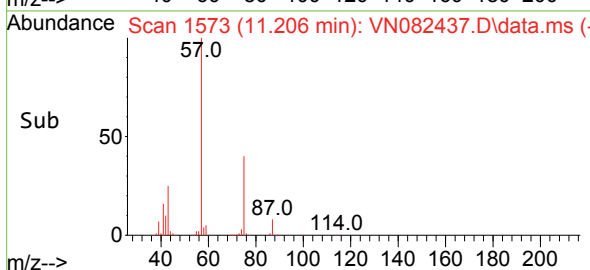
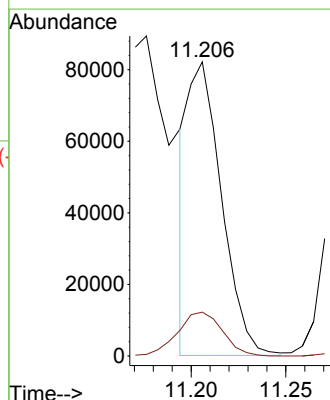
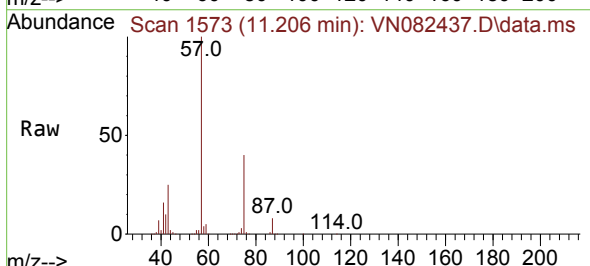
Acq: 03 Jun 2024 16:25

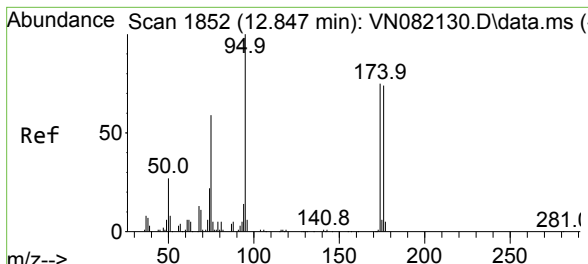
Tgt Ion: 43 Resp: 101662

Ion Ratio Lower Upper

43 100

58 20.0 28.3 84.9#

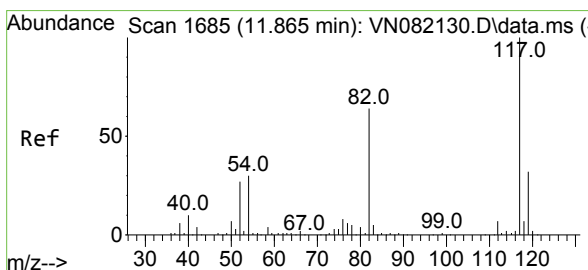
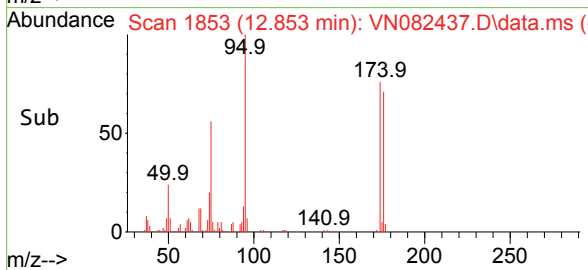
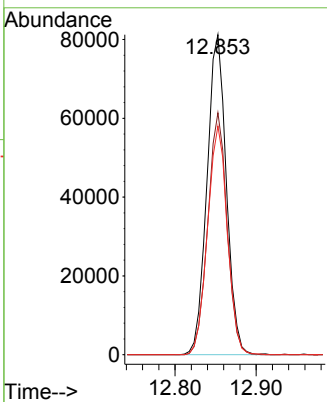
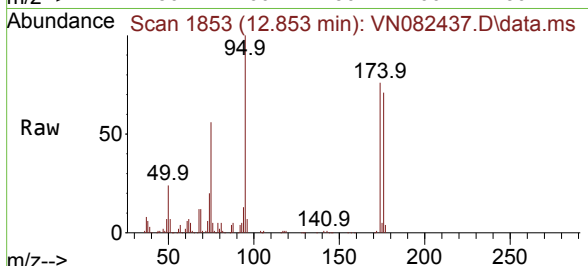




#62
 4-Bromofluorobenzene
 Concen: 53.889 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.006 min
 Lab File: VN082437.D
 Acq: 03 Jun 2024 16:25

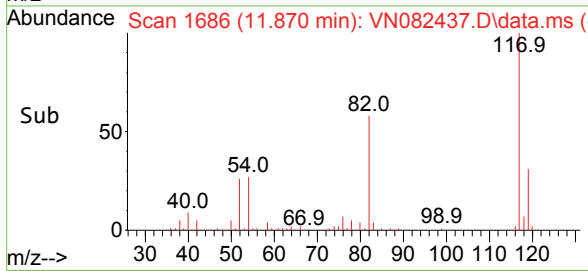
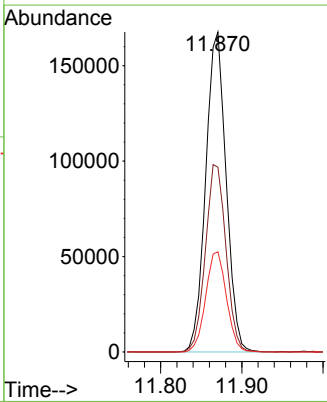
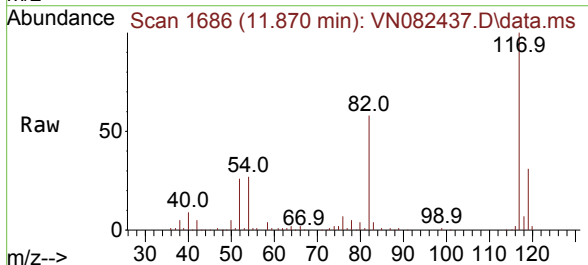
Instrument :
 MSVOA_N
 ClientSampleId :

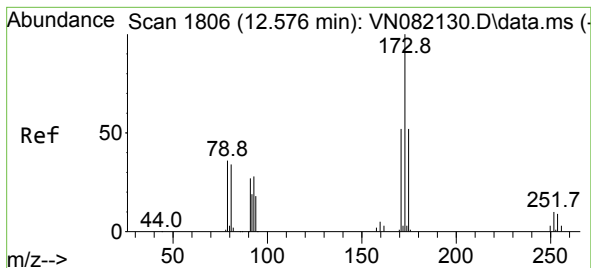
Tgt Ion:	95	Resp:	134258
Ion	Ratio	Lower	Upper
95	100		
174	75.2	0.0	160.6
176	73.0	0.0	152.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.870 min Scan# 1686
 Delta R.T. 0.006 min
 Lab File: VN082437.D
 Acq: 03 Jun 2024 16:25

Tgt Ion:	117	Resp:	292650
Ion	Ratio	Lower	Upper
117	100		
82	57.8	44.6	66.8
119	31.3	25.9	38.9





#71

Bromoform

Concen: 1.040 ug/l

RT: 12.847 min Scan# 1806

Delta R.T. 0.271 min

Lab File: VN082437.D

Acq: 03 Jun 2024 16:25

Instrument :

MSVOA_N

ClientSampleId :

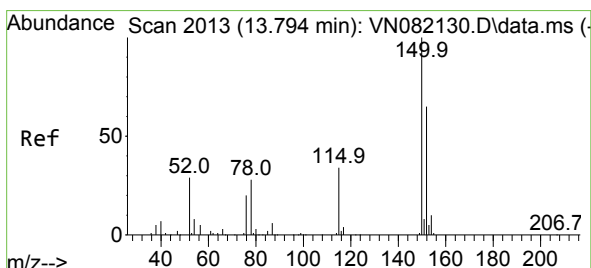
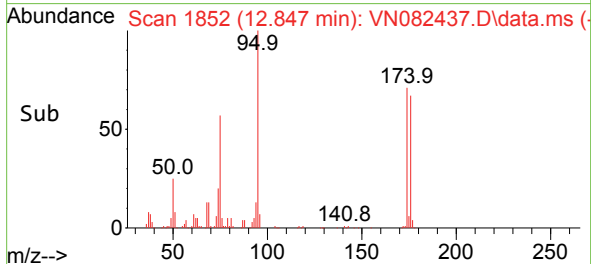
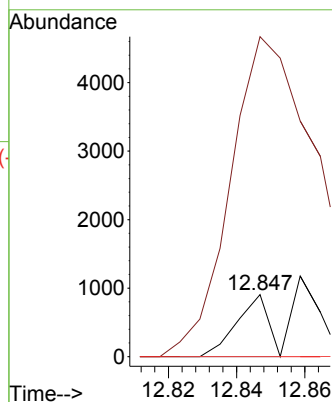
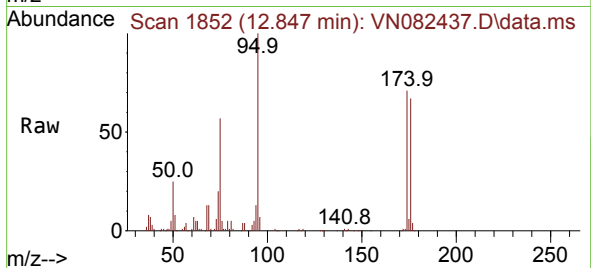
Tgt Ion:173 Resp: 582

Ion Ratio Lower Upper

173 100

175 902.9 24.6 74.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN082437.D

Acq: 03 Jun 2024 16:25

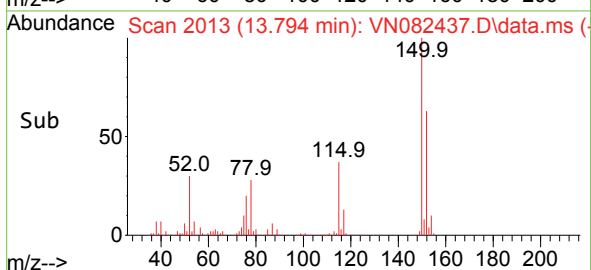
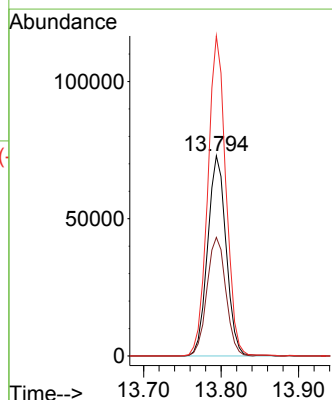
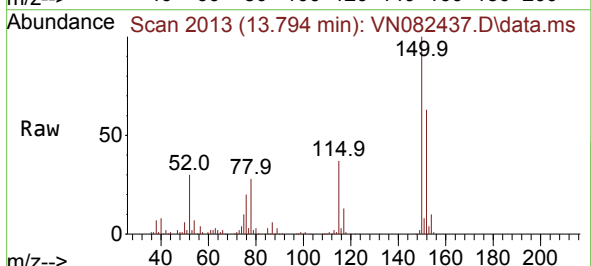
Tgt Ion:152 Resp: 120678

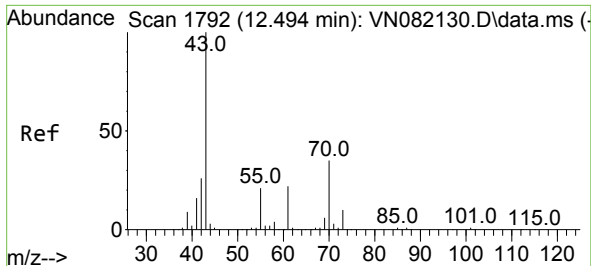
Ion Ratio Lower Upper

152 100

115 60.6 30.4 91.3

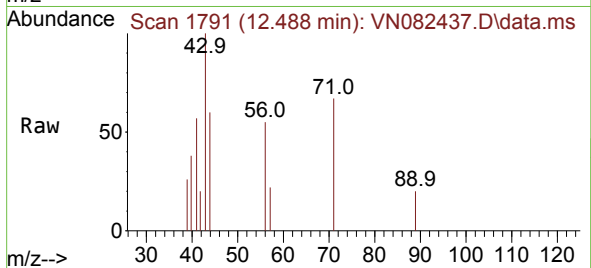
150 156.7 0.0 353.2



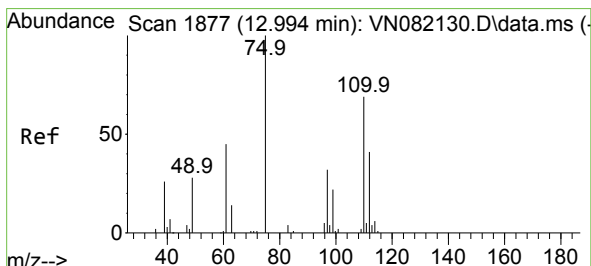
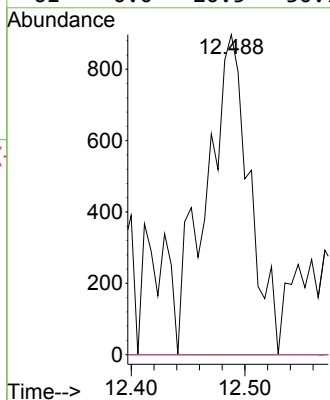
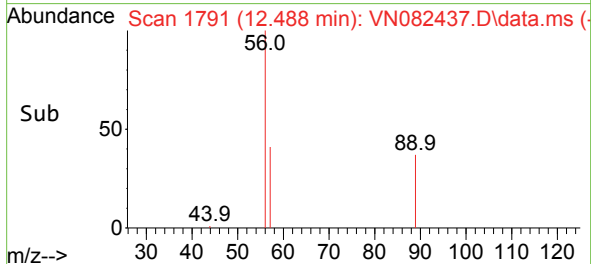


#74
N-amy1 acetate
Concen: 0.448 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN082437.D
Acq: 03 Jun 2024 16:25

Instrument :
MSVOA_N
ClientSampleId :

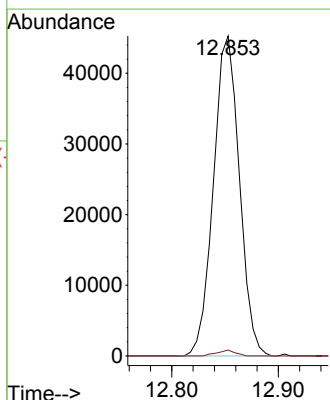
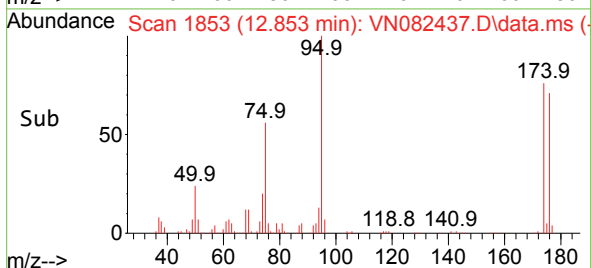
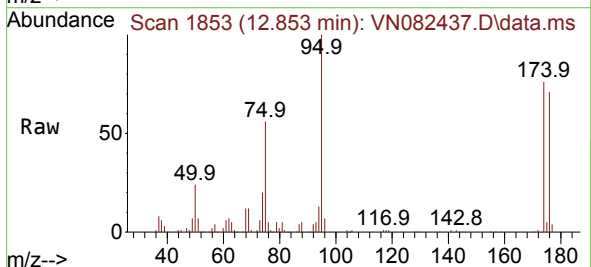


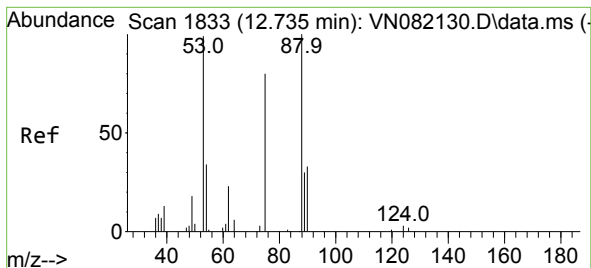
Tgt Ion: 43	Resp: 2363
Ion Ratio	Lower Upper
43	100
70	0.0 39.0 58.4#
55	0.0 21.3 31.9#
61	0.0 20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 30.114 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082437.D
Acq: 03 Jun 2024 16:25

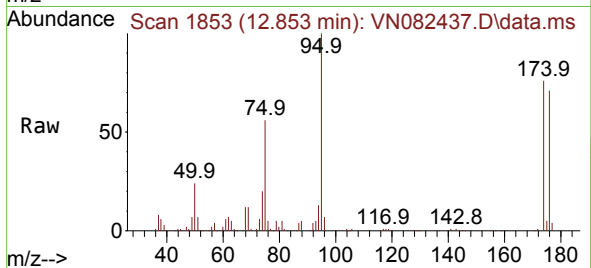
Tgt Ion: 75	Resp: 76488
Ion Ratio	Lower Upper
75	100
77	1.3 90.5 271.3#



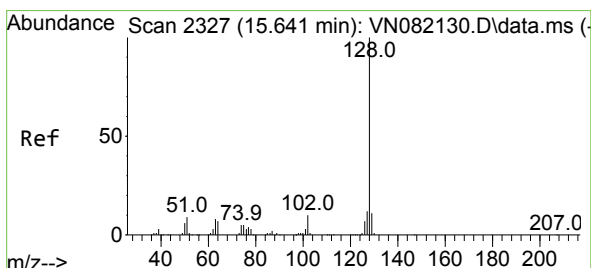
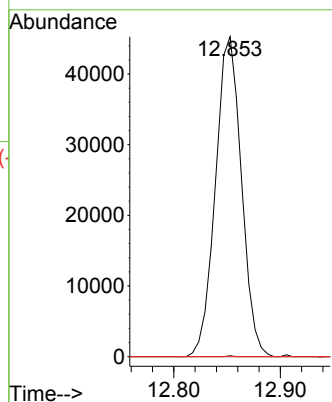
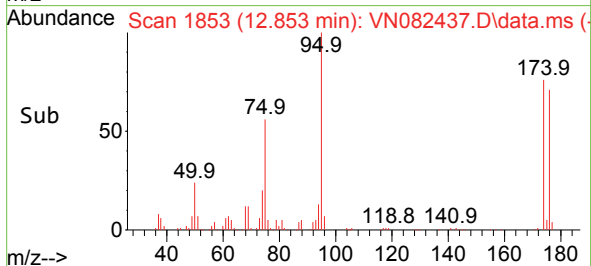


#81
trans-1,4-Dichloro-2-butene
Concen: 70.434 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN082437.D
Acq: 03 Jun 2024 16:25

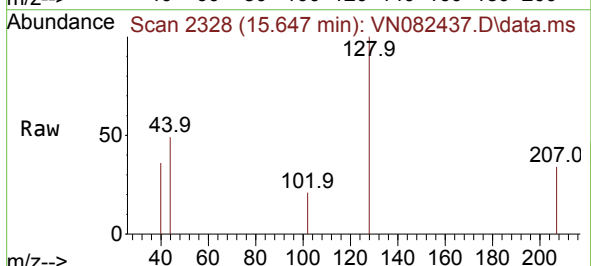
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 76488
Ion Ratio Lower Upper
75 100
53 0.1 72.9 109.3#
89 0.0 39.1 58.7#



#95
Naphthalene
Concen: 0.275 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN082437.D
Acq: 03 Jun 2024 16:25



Tgt Ion: 128 Resp: 1895
Ion Ratio Lower Upper
128 100
127 3.5 10.1 15.1#
129 4.0 8.9 13.3#

